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Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 23 December 2014 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United States of America to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit registration data on objects launched into outer space by the United States for the periods from July to August and October to November 2013 (see annexes I-IV).

The United States requests that the space objects contained in the annexes to this document be placed on the Register of Objects Launched into Outer Space maintained by the United Nations. In submitting this request, the United States notes that, consistent with its longstanding registration practice, the United States is not necessarily a launching State for each of the space objects it registers. The United States makes this request in the spirit of contributing to the practical effectiveness of the treaties and is providing information to the greatest extent practicable.

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Annex I

Registration data on space launches by the United States of America for July 2013*

The following report supplements the registration data on United States space launches as at 31 July 2013. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Name of the space object*	*Date of the launch*	*Location of the launch*	*Basic orbital characteristics*				*General function of the space object*
				Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:								
2013-036A	MUOS 2	19 July 2013	–	701.0	19.2	35 758	3 764	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-036B	Atlas 5 Centaur R/B	19 July 2013	–	658.3	20.5	34 881	2 499	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:								
None								
The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2359Z on 31 July 2013:								
None								
The following objects achieved orbit since the last report but were no longer in orbit as at 2359Z on 31 July 2013:								
None								
The following objects identified in a previous report were no longer in orbit as at 2359Z on 31 July 2013:								
1975-077B, 1992-079B, 1992-089C								
The following objects were launched since the last report but did not achieve orbit:								
None								
Revisions that should be made to previously reported data:								
In annex I to the note verbale dated 30 July 2014 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General (ST/SG/SER.E/725), for space object 2013-016C replace "Dove 1" with "Alexander"								

* The registration data are reproduced in the form in which they were received.

Annex II

Registration data on space launches by the United States of America for August 2013*

The following report supplements the registration data on United States space launches as at 31 August 2013. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Name of the space object*	*Date of the launch*	*Location of the launch*	*Basic orbital characteristics*				*General function of the space object*
				Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:								
2013-041A	WGS 6	8 August 2013	—	1 349.8	23.9	67 592	569	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-041B	Delta 4 R/B	8 August 2013	—	1 314.0	23.8	66 139	583	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2013-043A	USA 245	28 August 2013	—	97.8	97.3	998	256	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

The following objects not previously reported have been identified since the last report:

None.

The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2359Z on 31 August 2013:

None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2359Z on 31 August 2013:

None.

The following objects identified in a previous report were no longer in orbit as at 2359Z on 31 August 2013:

None.

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.

* The registration data are reproduced in the form in which they were received.

Annex III

Registration data on space launches by the United States of America for October 2013*

The following report supplements the registration data on United States space launches as at 31 October 2013. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Name of the space object*	*Date of the launch*	*Location of the launch*	*Basic orbital characteristics*				*General function of the space object*
				Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:								
2013-058A	Sirius FM 6	25 October 2013	Tyuratam (Baikonur Cosmodrome), Kazakhstan	635.3	49.2	35 789	415	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
The following objects not previously reported have been identified since the last report:								
None								
The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2359Z on 31 October 2013:								
None								
The following objects achieved orbit since the last report but were no longer in orbit as at 2359Z on 31 October 2013:								
None								
The following objects identified in a previous report were no longer in orbit as at 2359Z on 31 October 2013:								
2000-028B, 2007-006A								
The following objects were launched since the last report but did not achieve orbit:								
None								
Revisions that should be made to previously reported data:								
None								

* The registration data are reproduced in the form in which they were received.

Annex IV

Registration data on space launches by the United States of America for November 2013*

The following report supplements the registration data on United States space launches as at 30 November 2013. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Name of the space object*	*Date of the launch*	*Location of the launch*	*Basic orbital characteristics*				*General function of the space object*
				Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit								
2013-063A	MAVEN	18 November 2013	—	89.3	26.7	318	164	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-063B	Atlas 5 Centaur R/B	18 November 2013	—	89.3	26.7	318	164	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1998-067DA	ArduSat 1	19 November 2013	ISS Kibo	92.3	51.6	391	385	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-067DC	ArduSat X	19 November 2013	ISS Kibo	92.3	51.6	391	385	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1998-067DD	TechEdSat 3P	20 November 2013	ISS Kibo	92.3	51.6	391	385	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

* The registration data are reproduced in the form in which they were received.

International designation	*Name of the space object*	*Date of the launch*	*Location of the launch*	*Basic orbital characteristics*				*General function of the space object*
				Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
2013-064A	STPSat-3	20 November 2013		94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064B	PhoneSat 2.4	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064C	Cape 2	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064D	DragonSat	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064E	KySat II	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064F	TJ3Sat	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064H	ORS Tech 1	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064J	SENSE SV1	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064K	NPS-SCAT	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064L	Prometheus 1-4	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2013-064M	Prometheus 1-2	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064N	SENSE SV2	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064P	Prometheus 1-5	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064Q	Prometheus 1-6	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064R	COPPER	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064S	ORS Tech 2	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064T	Horus	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064U	Black Knight	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064V	Prometheus 1-7	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064W	Trailblazer	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2013-064X	Prometheus 1-8	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064Y	SwampSat	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064Z	Ho'oponopo 2	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064AA	Firefly	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064AB	ChargerSat	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064AC	Prometheus 1-1	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064AD	Vermont Lunar	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064AE	Prometheus 1-3	20 November 2013	–	94.7	40.5	517	506	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-064AF	Minotaur R/B	20 November 2013	–	94.7	40.5	517	506	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2013-066A	Aprizesat 7	21 November 2013	Yasny, Russian Federation	97.1	97.8	656	591	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2013-066C	SkySat 1	21 November 2013	Yasny, Russian Federation	96.3	97.8	599	567	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-066K	Aprizesat 8	21 November 2013	Yasny, Russian Federation	97.3	97.8	669	594	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-066P	Dove 3	21 November 2013	Yasny, Russian Federation	98.8	97.7	815	594	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-066U	Dove 4	21 November 2013	Yasny, Russian Federation	97.0	97.8	639	592	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-066W	50 Sat	21 November 2013	Yasny, Russian Federation	97.0	97.7	642	596	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-066X	BeakerSat	21 November 2013	Yasny, Russian Federation	97.0	97.8	640	598	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2013-066AD	QubeScout S1	21 November 2013	Yasny, Russian Federation	97.0	97.8	640	596	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

The following objects not previously reported have been identified since the last report:

None.

The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2359Z on 30 November 2013:

None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2359Z on 30 November 2013:

None.

The following objects identified in a previous report were no longer in orbit as at 2359Z on 30 November 2013:

2005-011A, 2000-022B, 2013-047B.

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	

The following objects were launched since the last report but did not achieve orbit

None

Revisions that should be made to previously reported data

None